



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/625,882
Source: QIPK
Date Processed by STIC: 8/5/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/625,882</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>Wrapped Nucleics</u> <u>Wrapped Aminos</u>	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>Invalid Line Length</u>	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>Misaligned Amino</u> <u>Numbering</u>	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>Non-ASCII</u>	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>Variable Length</u>	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>PatentIn 2.0</u> <u>"bug"</u>	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>Skipped Sequences</u> <u>(OLD RULES)</u>	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>Skipped Sequences</u> <u>(NEW RULES)</u>	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>Use of n's or Xaa's</u> <u>(NEW RULES)</u>	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.	
10 <u>Invalid <213></u> <u>Response</u>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>Use of <220></u>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>PatentIn 2.0</u> <u>"bug"</u>	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>Misuse of n</u>	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



OICE

RAW SEQUENCE LISTING

DATE: 08/05/2003

PATENT APPLICATION: US/10/625,882

TIME: 14:23:00

Input Set : A:\Sequence listing CIP.txt

Output Set: N:\CRF4\08052003\J625882.raw

4 <110> APPLICANT: BEAUREGARD, Marc
 5 GAGNON, Mylene-Claude
 6 DOUCET, Alain
 7 WILLIAMS, Martin
 8 AGROTERRA BIOTECH INC.
 10 <120> TITLE OF INVENTION: MB-1 ANALOGS AND USES THEREOF
 13 <130> FILE REFERENCE: 15493-1US-1
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/625,882
 C--> 15 <141> CURRENT FILING DATE: 2003-07-24
 15 <150> PRIOR APPLICATION NUMBER: 60/329,759
 16 <151> PRIOR FILING DATE: 2001-10-18
 18 <160> NUMBER OF SEQ ID NOS: 30
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 100 *invalid response*
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Recombinant molecule
 27 <220> FEATURE:
 28 <221> NAME/KEY: VARIANT
 29 <222> LOCATION: (1)...(100)
 30 <223> OTHER INFORMATION: MB-1Trp
 33 <400> SEQUENCE: 1
 34 Met Ala Thr Glu Asp Met Thr Asp Met Met Thr Thr Leu Phe Lys Thr
 35 1 5 10 15
 36 Met Gln Leu Leu Thr Lys Ser Glu Pro Thr Ala Met Asp Glu Ala Thr
 37 20 25 30
 38 Lys Thr Ala Thr Thr Met Lys Asn His Leu Gln Asn Leu Met Gln Lys
 39 35 40 45
 40 Thr Lys Asn Lys Glu Asp Met Thr Asp Met Ala Thr Thr Trp Phe Lys
 41 50 55 60
 42 Thr Met Gln Leu Leu Thr Lys Thr Glu Pro Ser Ala Met Asp Glu Ala
 43 65 70 75 80
 44 Thr Lys Thr Ala Thr Thr Met Lys Asn His Leu Gln Asn Leu Met Gln
 45 85 90 95
 46 Lys Gly Val Ala
 47 100
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 100
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Recombinant molecule
 54 <220> FEATURE:
 55 <221> NAME/KEY: VARIANT
 56 <222> LOCATION: (1)...(0)

pg 1-5
 Does Not Comply
 Corrected Diskette Needed

see item 10 on Error Summary Sheet

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/625,882

DATE: 08/05/2003

TIME: 14:23:00

Input Set : A:\Sequence listing CIP.txt

Output Set: N:\CRF4\08052003\J625882.raw

57 <223> OTHER INFORMATION: MB-1TrpRH

60 <400> SEQUENCE: 2

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61 Met Ala Thr Glu Asp Met Thr Asp Met Cys Thr Thr Leu Phe Lys Thr
62 1      5      10      15
63 Met Gln Leu Leu Thr Lys Ser Glu Pro Thr Ala Met Asp Glu Ala Thr
64      20      25      30
65 Lys Thr Ala Thr Thr Met Lys Asn His Leu Gln Asn Leu Met Gln Lys
66      35      40      45
67 Thr Lys Asn Lys Glu Asp Met Thr Asp Met Ala Thr Thr Trp Phe Lys
68      50      55      60
69 Thr Met Gln Leu Leu Thr Lys Thr Glu Pro Ser Ala Met Asp Glu Ala
70 65      70      75      80
71 Thr Lys Thr Ala Thr Thr Met Lys Asn His Cys Gln Asn Leu Met Gln
72      85      90      95
73 Lys Gly Val Ala
74      100

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76 <210> SEQ ID NO: 3

77 <211> LENGTH: 100

78 <212> TYPE: PRT

79 <213> ORGANISM: Recombinant molecule

81 <220> FEATURE:

82 <221> NAME/KEY: VARIANT

83 <222> LOCATION: (1)...(100)

84 <223> OTHER INFORMATION: MB-1LH

87 <400> SEQUENCE: 3

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88 Met Ala Thr Glu Asp Met Thr Asp Met Met Thr Thr Cys Phe Lys Thr
89 1      5      10      15
90 Met Gln Leu Leu Thr Lys Ser Glu Pro Thr Ala Met Asp Glu Ala Thr
91      20      25      30
92 Lys Thr Ala Thr Thr Met Lys Asn His Leu Gln Asn Leu Met Gln Lys
93      35      40      45
94 Thr Lys Asn Lys Glu Asp Met Thr Asp Met Ala Thr Thr Tyr Phe Lys
95      50      55      60
96 Thr Met Gln Leu Leu Thr Lys Thr Glu Pro Ser Ala Met Asp Glu Ala
97 65      70      75      80
98 Thr Lys Thr Ala Thr Thr Cys Lys Asn His Leu Gln Asn Leu Met Gln
99      85      90      95
100 Lys Gly Val Ala
101      100

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103 <210> SEQ ID NO: 4

104 <211> LENGTH: 100

105 <212> TYPE: PRT

106 <213> ORGANISM: Recombinant molecule

108 <220> FEATURE:

109 <221> NAME/KEY: VARIANT

110 <222> LOCATION: (1)...(100)

111 <223> OTHER INFORMATION: MB-1RH

114 <400> SEQUENCE: 4

115 Met Ala Thr Glu Asp Met Thr Asp Met Cys Thr Thr Leu Phe Lys Thr

RAW SEQUENCE LISTING

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DATE: 08/05/2003

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Input Set : A:\Sequence listing CIP.txt

Output Set: N:\CRF4\08052003\J625882.raw

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116 1          5          10          15
117 Met Gln Leu Leu Thr Lys Ser Glu Pro Thr Ala Met Asp Glu Ala Thr
118          20          25          30
119 Lys Thr Ala Thr Thr Met Lys Asn His Leu Gln Asn Leu Met Gln Lys
120          35          40          45
121 Thr Lys Asn Lys Glu Asp Met Thr Asp Met Ala Thr Thr Tyr Phe Lys
122          50          55          60
123 Thr Met Gln Leu Leu Thr Lys Thr Glu Pro Ser Ala Met Asp Glu Ala
124 65          70          75          80
125 Thr Lys Thr Ala Thr Thr Met Lys Asn His Cys Gln Asn Leu Met Gln
126          85          90          95
127 Lys Gly Val Ala
128          100
130 <210> SEQ ID NO: 5
131 <211> LENGTH: 100
132 <212> TYPE: PRT
133 <213> ORGANISM: Recombinant molecule
135 <220> FEATURE:
136 <221> NAME/KEY: VARIANT
137 <222> LOCATION: (1)...(100)
138 <223> OTHER INFORMATION: MB-1TrpLH
141 <400> SEQUENCE: 5
142 Met Ala Thr Glu Asp Met Thr Asp Met Met Thr Thr Cys Phe Lys Thr
143 1          5          10          15
144 Met Gln Leu Leu Thr Lys Ser Glu Pro Thr Ala Met Asp Glu Ala Thr
145          20          25          30
146 Lys Thr Ala Thr Thr Met Lys Asn His Leu Gln Asn Leu Met Gln Lys
147          35          40          45
148 Thr Lys Asn Lys Glu Asp Met Thr Asp Met Ala Thr Thr Trp Phe Lys
149          50          55          60
150 Thr Met Gln Leu Leu Thr Lys Thr Glu Pro Ser Ala Met Asp Glu Ala
151 65          70          75          80
152 Thr Lys Thr Ala Thr Thr Cys Lys Asn His Leu Gln Asn Leu Met Gln
153          85          90          95
154 Lys Gly Val Ala
155          100
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158 <211> LENGTH: 303
159 <212> TYPE: DNA
160 <213> ORGANISM: Recombinant molecule
162 <220> FEATURE:
163 <221> NAME/KEY: gene
164 <222> LOCATION: (1)...(303)
165 <223> OTHER INFORMATION: MB-1Trp
168 <400> SEQUENCE: 6
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170 accaagtcgg aaccacggc tatggacgag gccactaaaa cggctactac aatgaagaat      120
171 catcttcaaa acctgatgca gaagactaag aacaaagaag acatgacgga catggccact      180
172 acgtggttca aaacgatgca gttgttaacg aagaccgacc cctcggccat ggacgaggcc      240

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Input Set : A:\Sequence listing CIP.txt

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173 acgaagacgg ctacaacat gaaaaatcat ctgcagaact tgatgcaaaa aggcgtagct 300
174 taa 303
176 <210> SEQ ID NO: 7
177 <211> LENGTH: 302
178 <212> TYPE: DNA
179 <213> ORGANISM: Recombinant molecule
181 <220> FEATURE:
182 <221> NAME/KEY: gene
183 <222> LOCATION: (1)...(302)
184 <223> OTHER INFORMATION: MB-1TrpRH
187 <400> SEQUENCE: 7
188 atggctacgg aagacatgac cgacatgtgc accaccctgt ttaaaactat gcagctgttg 60
189 accaagtccg aaccacggc tatggacgag gccactaaaa cggctactac aatgaagaat 120
190 catcttcaaa acctgatgca gaagactaag aacaaagaag acatgacgga catggccact 180
191 acgtgcttca aaacgatgca gttgttaacg aagaccgagc cctcggccat ggacgaggcc 240
192 acgaagacgg ctacaacat gaaaaatcat tgccagaact tgatgcaaaa aggcgtagct 300
193 ta 303
195 <210> SEQ ID NO: 8
196 <211> LENGTH: 303
197 <212> TYPE: DNA
198 <213> ORGANISM: Recombinant molecule
200 <220> FEATURE:
201 <221> NAME/KEY: gene
202 <222> LOCATION: (1)...(3)
203 <223> OTHER INFORMATION: MB-1LH
206 <400> SEQUENCE: 8
207 atggctacgg aagacatgac cgacatgatg accaccctgt ttaaaactat gcagctgttg 60
208 accaagtccg aaccacggc tatggacgag gccactaaaa cggctactac aatgaagaat 120
209 catcttcaaa acctgatgca gaagactaag aacaaagaag acatgacgga catggccact 180
210 acgtacttca aaacgatgca gttgttaacg aagaccgagc cctcggccat ggacgaggcc 240
211 acgaagacgg ctacaacctg caaaaatcat ctgcagaact tgatgcaaaa aggcgtagct 300
212 taa 303
214 <210> SEQ ID NO: 9
215 <211> LENGTH: 303
216 <212> TYPE: DNA
217 <213> ORGANISM: Recombinant molecule
219 <220> FEATURE:
220 <221> NAME/KEY: gene
221 <222> LOCATION: (1)...(303)
222 <223> OTHER INFORMATION: MB-1RH
225 <400> SEQUENCE: 9
226 atggctacgg aagacatgac cgacatgtgc accaccctgt ttaaaactat gcagctgttg 60
227 accaagtccg aaccacggc tatggacgag gccactaaaa cggctactac aatgaagaat 120
228 catcttcaaa acctgatgca gaagactaag aacaaagaag acatgacgga catggccact 180
229 acgtacttca aaacgatgca gttgttaacg aagaccgagc cctcggccat ggacgaggcc 240
230 acgaagacgg ctacaacat gaaaaatcat tgccagaact tgatgcaaaa aggcgtagct 300
231 taa 303
233 <210> SEQ ID NO: 10
234 <211> LENGTH: 303

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RAW SEQUENCE LISTING

DATE: 08/05/2003

PATENT APPLICATION: US/10/625,882

TIME: 14:23:00

Input Set : A:\Sequence listing CIP.txt

Output Set: N:\CRF4\08052003\J625882.raw

235 <212> TYPE: DNA
236 <213> ORGANISM: Recombinant molecule
238 <220> FEATURE:
239 <221> NAME/KEY: gene
240 <222> LOCATION: (1)...(303)
241 <223> OTHER INFORMATION: MB-1TrpLH
244 <400> SEQUENCE: 10
245 atggctacgg aagacatgac cgacatgatg accacctgct ttaaaactat gcagctgttg 60
246 accaagtctgg aacccacggc tatggacgag gccactaaaa cggctactac aatgaagaat 120
247 catcttcaaa acctgatgca gaagactaag aacaaagaag acatgacgga catggccact 180
248 acgtggttca aaacgatgca gttgttaacg aagaccgagc cctcggccat ggacgaggcc 240
249 acgaagacgg ctacaacctg caaaaatcat ctgcagaact tgatgcaaaa aggcgtagct 300
250 taa 303
252 <210> SEQ ID NO: 11
253 <211> LENGTH: 27
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: MB-1-11
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263 <210> SEQ ID NO: 12
264 <211> LENGTH: 27
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
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269 <223> OTHER INFORMATION: Tyr62Trp
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272 atggccacta cgtggttcaa aacgatg 27
274 <210> SEQ ID NO: 13
275 <211> LENGTH: 27
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: MG-1-13
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283 atgatgacca ccctgtttaa aactatg 27
285 <210> SEQ ID NO: 14
286 <211> LENGTH: 27
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Oligo 1 L13C
293 <400> SEQUENCE: 14
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296 <210> SEQ ID NO: 15
297 <211> LENGTH: 27
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence

*Please correct this
error if it appears in
subsequent sequences*

VERIFICATION SUMMARY

DATE: 08/05/2003

PATENT APPLICATION: US/10/625,882

TIME: 14:23:01

Input Set : A:\Sequence listing CIP.txt

Output Set: N:\CRF4\08052003\J625882.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date